DETAILED ACTION

1.   This Office Action is in response to correspondence filed August 1, 2007 in

references to application 10/730,287. Claims 1 and 2 are pending in the application.

Response to Amendment

2.   The amendments to the claims and the specification filed August 1, 2007 have

been considered and accepted in this Office Action. Claim 3 has been cancelled.

Information Disclosure Statement

3.   The information disclosure statement filed August 1, 2007 has been accepted

and considered in this office action.

EXAMINER'S AMENDMENT

4.   An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

        The application has been amended as follows:

        Please amend paragraph 0009 of the specification as follows:

[0009] ~~The~~ An information-processing program ~~of claim 3~~ is executed on a computer to

perform: an input step of inputting text data; a text-data-memory step of storing text

data; a word-cutting step of executing a word-cutting process on text data; a syntax-analysis step of performing a syntax-analysis process on the text data on which the word-cutting process was performed; a thesaurus-creation step of creating thesauruses from the text data on which the syntax-analysis process was performed; a thesaurus-memory step of storing the thesauruses created in the thesaurus-creation step; a word-cutting and syntax-analysis step of performing the word-cutting process and syntax-analysis process again based on the thesauruses stored in the thesaurus-memory step; a thesaurus-sorting step of performing a sorting process on the text data on which word-cutting and syntax-analysis were performed; a sorting-results-memory step of storing the sorting results from the thesaurus-sorting step; a frequency-of-appearance-calculation step of calculating the frequency of appearance for each thesaurus based on the sorting results stored in the sorting-results-memory step; a frequency-of-appearance-memory step of storing the results calculated in the frequency-of-appearance-calculation step; a correlation-coefficient-calculation step of calculating correlation coefficients between thesauruses; a correlation-coefficient-memory step of storing the correlation coefficients between thesauruses that were calculated in the correlation-coefficient-calculation step; a correlation-coefficient-total-calculation step for each thesaurus of calculating the total of the correlation coefficients for each thesaurus; a correlation-coefficient-total-memory step for each thesaurus of storing the total of the correlation coefficients for each thesaurus calculated in the correlation-coefficient-total-calculation step for each thesaurus; and a graph-creation-display step of creating and displaying a graph based on the frequency of appearance stored in the frequency-of-

appearance-memory step and the correlation-coefficient totals for each thesaurus

stored in the correlation-coefficient-total-memory step for each thesaurus.

Allowable Subject Matter

5.   Claims 1 and 2 are allowed.

6.   The following is an examiner's statement of reasons for allowance:

7.   Consider claim 1, the closest prior art of record is Carlgren et al. (US Patent

5,099,426). Carlgren teaches an information-processing apparatus comprising:

        an input unit that inputs text data (figure 1, step 20, scan input text);

        a text-data-memory unit that stores said text data (inherent if a computer is

used);

        a word-cutting unit that executes a word-cutting process on said text data (step

22 make vocabulary list of all words in text);

        a syntax-analysis unit that performs a syntax-analysis process on said text data

on which said word-cutting process was performed (step 26, look up lemma of each text

word in morphology dictionary);

        a thesaurus-creation unit that creates thesauruses from said text data on which

said syntax-analysis process was performed (step 22 make vocabulary list, step 28 and

missing lemmas to vocabulary list);

a thesaurus-memory unit that stores said thesauruses created by said thesaurus-creation unit (inherent if implemented on a computer);

a thesaurus-sorting unit that performs a sorting process on said text data on which said word-cutting and said syntax-analysis were performed (step 34, make word number to lemma number list relating linguistic variants to their lemma);

a sorting-results-memory unit that stores the sorting results from said thesaurus-sorting unit (inherent if implemented on a computer);

a frequency-of-appearance-calculation unit that calculates the frequency of appearance for each thesaurus based on said sorting results stored by said sorting-results-memory unit (step 32 make high frequency word pointer lists… the frequency must be counted to make this list.);

a frequency-of-appearance-memory unit that stores the results calculated by said frequency-of appearance-calculation unit (inherent if implemented on a computer);

wherein said word-cutting unit and said syntax-analysis unit perform said word-cutting process and said syntax-analysis process again based on said thesauruses created by said thesaurus-creation unit (steps 36-44)

but does not specifically teach:

a correlation-coefficient-calculation unit that calculates correlation coefficients between thesauruses;

a correlation-coefficient-memory unit that stores the correlation coefficients between thesauruses that were calculated by said correlation-coefficient-calculation unit;

a correlation-coefficient-total-calculation unit for each thesaurus that calculates the total of the correlation coefficients for each thesaurus;

a correlation-coefficient-total-memory unit for each thesaurus that stores the total of the correlation coefficients for each thesaurus calculated by the correlation-coefficient-total-calculation unit for each thesaurus; and

a graph-creation-display unit that creates and displays a graph based on the frequency of appearance stored by the frequency-of-appearance-memory unit an

the correlation-coefficient totals for each thesaurus stored by the correlation-coefficient-total-memory unit for each thesaurus; and

wherein said word-cutting unit and said syntax-analysis unit perform said word-cutting process and said syntax-analysis process again based on said thesauruses created by said thesaurus-creation unit.

Carlgren does suggest creating a cross-reference table to link clusters of words, but does not teach calculating a correlation coefficient. Nunkao (US APA 2002/0052730) teaches comparing text passages based on topics, but again no correlation coefficient is calculated. Furthermore, non of the prior art or the combination of art of record does not teach: a graph creation display unit that creates and displays a graph based on the frequency of appearance memory unit and the correlation coefficient totals for each thesaurus stored by the correlation coefficient total memory unit for each thesaurus. Therefore the subject matter of claim 1 is allowable.

8.   Claim 2 is allowable as it contains similar limitations to claim 1.

9.   Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Conclusion

        Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Douglas C. Godbold whose telephone number is (571)

270-1451. The examiner can normally be reached on Monday-Thursday 7:00am-

4:30pm Friday 7:00am-3:30pm.

        If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Patrick Edouard can be reached on (571) 272-7603. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

DCG
/Patrick N. Edouard/
Supervisory Patent Examiner, Art Unit 2626